

Site: _____
 Break: 1.2 AR
 Other: 11/85

STUDY PLAN
 SANGAMO PCB STUDY
 PICKENS COUNTY, SOUTH CAROLINA

INTRODUCTION

Hazardous waste site investigations will be conducted in Pickens County, South Carolina (Figure 1) during the weeks of November 18-22, November 25-27, and December 2-6, 1985 by personnel from the US-EPA, Region IV, Environmental Services Division (ESD). This study was requested by the US-EPA, Region IV, Waste Management Division (WMD). The study will consist of collecting water, soil, and sediment samples from eleven selected locations in Pickens County that may contain PCB wastes. Seven of the sites were used by Sangamo Electric Company for disposal of solid wastes during the mid 50's to the early 60's. Two sites (Hagood Creek and the Hagood Creek Reservoir) are sources of drinking water for the town of Pickens, South Carolina. One site is a ravine where the town of Pickens disposed or dredged material from its raw water reservoir. One site is a pile of unknown fill material located on the bank of Twelve Mile Creek at the Maw Bridge.

OBJECTIVE

The objectives of this study are: 1) to collect surface water, ground water, sediment, and soil samples at the selected sites to determine PCB concentrations, 2) to determine if any PCB's detected at these sites have migrated into the surface water (streams) and/or ground water systems, and 3) to gather data for use in the hazardous waste site ranking system (MITRE system) for these sites.

SITES TO BE INVESTIGATED

<u>SITE NAME</u>	<u>MAP NO.</u>	<u>EPA ACCOUNT NO.</u>	<u>ESD PROJECT NO.</u>
Welborn Property	(1)	6TGB04D4S4	86-073
Trotter-Dodgins Site	(2)	6TGB04D4S8	86-074
Ernest Nix Property	(3)	6TGB04D4S3	86-075
Hagood Creek	(4)	6TGB04D4S9	86-076
Brazeale Property	(5)	6TGB04D4S7	86-077
Cross Roads Church Site	(6)	6TGB04D4S6	86-078
Midway Dump	(7)	6TGB04D4S5	86-079
Easley-Pickens County Landfill	(8)	6TGB04D4S2	86-080
Pickens (Hagood) Reservoir	(9)	6TGB04DCZZ	86-081
Pickens Reservoir Sludge	(10)	6TGB04DCZZ	86-084
Maw Bridge Site	(11)	6TGB04DCZZ	86-083



METHODOLOGY

Samples from each site (where applicable) will consist of:

- 1) Soil samples (including background samples) from selected areas on each site.
- 2) Sediment samples from depositional areas on and around the periphery of the sites.
- 3) Surface water and sediment samples from the streams associated with the sites. (All streams will be bracketed and the sites isolated).
- 4) Ground water from private wells near each site.

The exact number of samples and sampling locations will be determined on-site. All samples will be collected and handled in accordance with the Water Surveillance Branch Standard Operating Procedures and Quality Assurance Manual, Draft 1980. Laboratory analyses will be performed in accordance with the Analytical Support Branch Operations and Quality Control Manual, June 1, 1985.

Safety protocol will be in accordance with the US-EPA, Region IV "Field Health and Safety Manual." Ambulance service, fire service, and hospitals are within the immediate area of the field study, and will be activated, if needed, by the team leader on site.

SAMPLE ESTIMATES

Each sample collected will be analyzed for PCB's. One soil and/or sediment sample from each site will be analyzed for the full organic scan in addition to the PCB analysis. Two surface water sediment samples (upgradient and downgradient) from each site will also be analyzed for the full organic scan in addition to the PCB analysis.

ESTIMATED NUMBER OF SAMPLES

Water	Soil/Sediment	
PCB Scan	Organic Scan	PCB Scan
55	35	85

LOGISTICS

Personnel - Charles Till, ESD, Hazardous Waste Section
To be named, ESD, Hazardous Waste Section
Three FIT personnel

Scheduling

November 18 - Travel to Pickens County, South Carolina.
November 18-22 - Work on dump sites.
November 22 - Return to Athens, Georgia.
November 25 - Travel to Pickens County, South Carolina.
November 25-27 - Work on dump sites.
November 27 - Return to Athens, Georgia.
December 2 - Travel to Pickens County, South Carolina.
December 2 - 6 Work on dump sites.
December 6 - Return to Athens, Georgia.

Contacts: Allison Ranson - SC-DEHEC - 803/242-9850
Linda Jennett - Sangamo - 803/878-6311
Camilla Warren - EPA-WMD - 404/881-2234

Proper Owners or Representatives

Midway Dump - Mr. Hinton (803) 878-6421 ✓
Brazeale Dump - Mr. Wade Brazeale (803) 878-2162 ✓
Nix Dump - Mr. Nix (803) 859-7738 ✓
Trotter Dump - Mr. David White (803) 656-5548 ✓
Welborn Dump - Mr. Jimmy Welborn (803) 878-2803 ✓
Pickens County Landfill - Mr. Cecil Nalley (803) 859-5832 ✓
Crossroads Church Dump - Owner Unknown
Hagood Creek Area - Owner/s Unknwon
Pickens Reservoir - Rep. not established
Maw Bridge - Rep. not established

FIGURE 1
GENERAL LOCATION MAP
SANGAMO PCB STUDY
PICKENS COUNTY, SOUTH CAROLINA

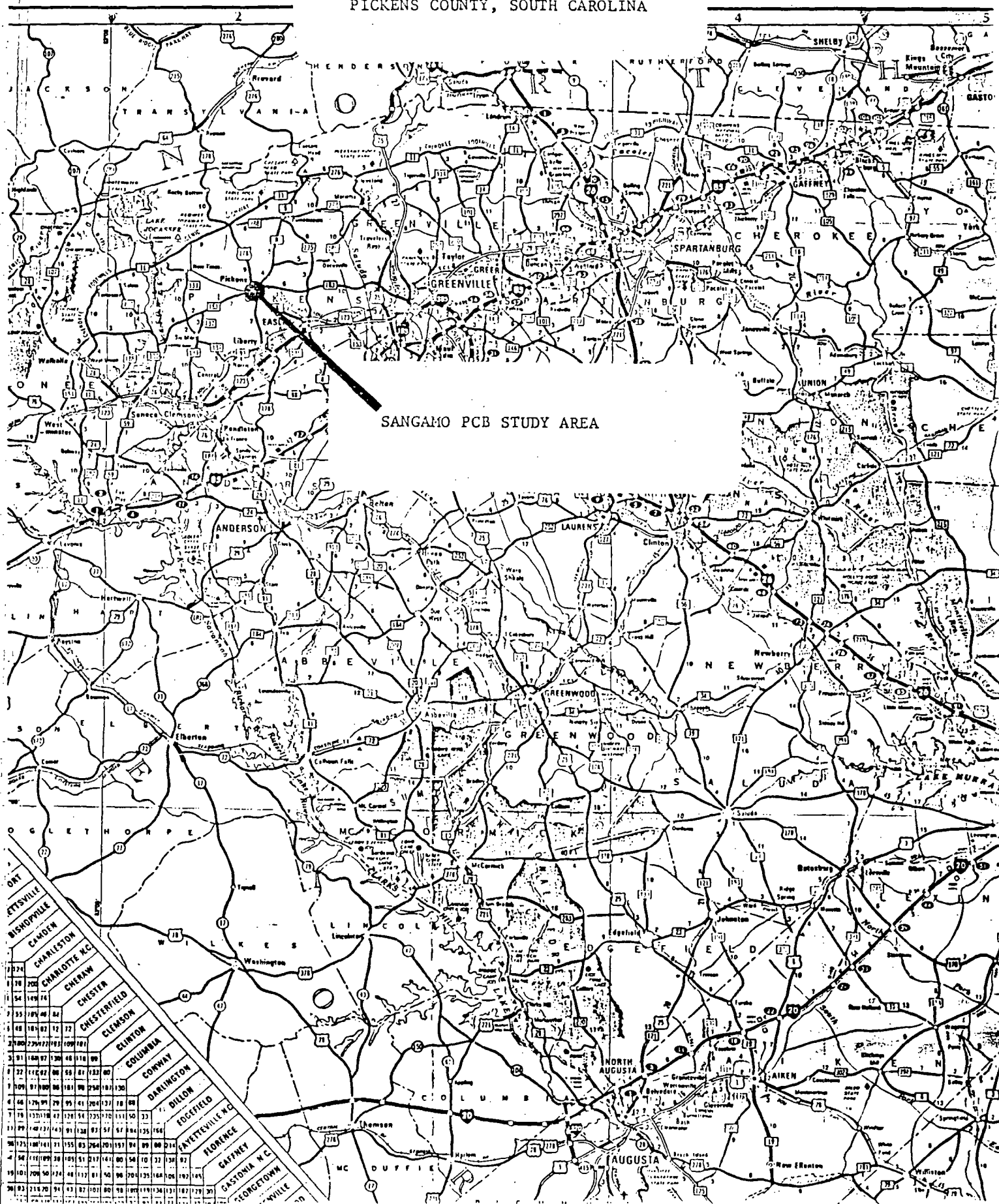


FIGURE 2
SITE LOCATION MAP
SANGANO PCB STUDY
PICKENS COUNTY, SOUTH CAROLINA

